II

APPLICATION OF LANDSAT SYSTEM FOR IMPROVING METHODOLOGY FOR INVENTORY AND CLASSIFICATION OF WETLANDS

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16. Abstract

Formalization of a contractual agreement between USFWS and ERIM was accomplished effective 1 December 1975. Screening photography and multispectral scanner oscillographic imagery have been received for both the May and July 1975 aircraft support missions. Evaluation of these data is in progress. Electronic video imagery for 151 observations made by LANDSAT- 1 and 2 during the period 1 April-31 October 1975 has been received. Additional LANDSAT-1 imagery for the above period will be ordered. CCT's for selected satellite observations will be ordered in January 1976.

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A. Problems

Administrative delays in the formalization of a contractual agreement between the FWS and ERIM (reported previously) persisted through most of this reporting period. On 12 December a formalized contract was established with an effective date retroactive to 1 December 1975.

B. Accomplishments

ERIM has received and logged electronic video imagery for 151 observations by both the LANDSAT-1 and LANDSAT-2 satellites. This imagery includes observations made during the designated seasonal period of 1 April 1975 through 31 October 1975. LANDSAT-1 imagery for observations made prior to approximately 15 June was not received because the original standing order did not specify inclusion of LANDSAT-1 data. The standing order was amended to include LANDSAT-1 imagery but this change was not made retroactive. We have prepared a computer listing of excluded LANDSAT-1 observations (i.e., those occurring prior to 15 June). Missing LANDSAT-1 images will be ordered in the near future, along with certain CCT's for scene observations subsequent to 15 June.

C. Significant Results

None

D. Publications

None

E. Recommendations

Aircraft multispectral scanner screening imagery provided for this investigation by the NASA/JSC aircraft facility was printed backwards on an oscillograph writer (as noted in the previous quarterly report). We have been informed that this situation cannot be rectified. We wish to point out, however, that it is inconvenient to use such data, particularly if data sets are large or if terrain is unfamiliar to the user, we suggest that your printing procedures be revised in the future.